

IN THE CLAIMS

Please amend the claims to read as follows. The following is a listing of all cancelled and pending claims, and replaces any prior listings of claims in this application.

Claims 1-22 (Canceled)

23. (Currently amended) A method for automatically refilling a syringe for an angiographic injector arrangement, said method comprising:

sensing a volume of fluid in a chamber of said syringe;

providing a fluid reservoir in communication with said chamber;

receiving **a user input associated with a subsequent injection;**

determining a preset amount of fluid necessary for ~~[[a]]~~ **the** subsequent injection ~~from~~
based on the user input;

comparing said volume in said chamber with said preset amount of fluid; and

retracting a plunger **to a predetermined position** within said chamber of said syringe to

draw fluid from the fluid reservoir into the chamber-a predetermined limit if **when** said
preset amount of fluid is greater than the volume of fluid sensed in said chamber.

24. (Currently amended) The method according to claim 23 wherein **retracting the plunger**
to said predetermined ~~limit~~ **position** maximally fills said chamber of said syringe.

25. (Currently amended) The method according to claim 23 wherein retracting the plunger to said predetermined limit position draws an amount of fluid into ~~is less than a maximal volume of said chamber~~ that partially fills said chamber of said syringe.

26. (Currently amended) The method according to claim 23 further comprising:
after retracting the plunger, moving the plunger in a forward direction to purge air ~~a step of purging air from said chamber of said syringe.~~

27. (Currently amended) A method for automatically refilling a syringe for an injector arrangement, said method comprising:

sensing a volume of fluid in a chamber of said syringe;

providing a fluid reservoir in communication with said chamber;

receiving a user input associated with a subsequent injection;

determining a preset amount of fluid necessary for ~~[[a]]~~ the subsequent injection ~~from~~
based on the user input;

comparing said volume in said chamber with said preset amount of fluid; and

retracting a plunger to a predetermined position within said chamber of said syringe to

draw fluid from the fluid reservoir into the chamber ~~a predetermined limit if~~ when said preset amount of fluid is greater than the volume of fluid sensed in said chamber.

28. (Previously presented) The method according to claim 23 wherein said preset amount of fluid necessary for the subsequent injection comprises a maximum amount of radiographic contrast material to be injected.

29. (Previously presented) The method according to claim 23 wherein said preset amount of fluid can be changed prior to or after any injection.
30. (Previously presented) The method according to claim 27 wherein said preset amount of fluid can be changed prior to or after any injection.
31. (New) The method according to claim 23 wherein the user input comprises a maximum injection volume for the subsequent injection.
32. (New) The method according to claim 23, wherein the plunger is retracted at a first speed followed by a second speed, the first speed being slower than the second speed.
33. (New) The method according to claim 32, wherein the first speed is about 2 mL/sec.
34. (New) The method according to claim 33, wherein the second speed is about 3 mL/sec.
35. (New) The method according to claim 32, wherein the plunger is retracted at the first speed until a predetermined volume of fluid has been drawn into the chamber.
36. (New) The method according to claim 35, wherein the plunger is retracted at a rate of about 2 mL/sec until about 40 mL of fluid have been drawn into the chamber, and wherein the plunger is retracted at a rate of about 3 mL/sec thereafter.

37. (New) The method according to claim 27, wherein the plunger is retracted at a first speed followed by a second speed, the first speed being slower than the second speed.